



Environment Testing  
America

## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-171165-1  
Client Project/Site: NPDES Wet Weather

For:  
Solutia Inc.  
730 Worcester Street  
PO BOX 51975  
Springfield, Massachusetts 01151

Attn: Andrew Orciari

A handwritten signature in black ink, appearing to read "Steve Hartmann", is written over a horizontal line.

Authorized for release by:  
6/23/2020 8:47:29 AM

Steve Hartmann, Project Manager I  
(413)572-4000  
[steve.hartmann@testamericainc.com](mailto:steve.hartmann@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

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*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Definitions/Glossary

Client: Solutia Inc.  
Project/Site: NPDES Wet Weather

Job ID: 480-171165-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Solutia Inc.  
Project/Site: NPDES Wet Weather

Job ID: 480-171165-1

**Job ID: 480-171165-1**

**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

**Job Narrative**  
**480-171165-1**

## Comments

No additional comments.

## Receipt

The samples were received on 6/13/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.4° C.

## Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Client Sample Results

Client: Solutia Inc.  
Project/Site: NPDES Wet Weather

Job ID: 480-171165-1

Client Sample ID: OF 17

Lab Sample ID: 480-171165-1

Date Collected: 06/11/20 11:15

Matrix: Water

Date Received: 06/13/20 08:00

## Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.12		0.010		mg/L		06/16/20 11:17	06/17/20 16:53	1

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	33		4.0		mg/L			06/13/20 16:40	1

Client Sample ID: OF 20S

Lab Sample ID: 480-171165-2

Date Collected: 06/11/20 11:25

Matrix: Water

Date Received: 06/13/20 08:00

## Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.22		0.010		mg/L		06/16/20 11:17	06/17/20 16:57	1

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	72		4.0		mg/L			06/13/20 16:40	1

Client Sample ID: OF 21S

Lab Sample ID: 480-171165-3

Date Collected: 06/11/20 11:30

Matrix: Water

Date Received: 06/13/20 08:00

## Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.058		0.010		mg/L		06/16/20 11:17	06/17/20 17:01	1

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	73		4.0		mg/L			06/13/20 16:40	1

Client Sample ID: OF 9 (561)

Lab Sample ID: 480-171165-4

Date Collected: 06/11/20 11:04

Matrix: Water

Date Received: 06/13/20 08:00

## Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.029		0.010		mg/L		06/16/20 11:17	06/17/20 17:04	1

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	48		4.0		mg/L			06/13/20 16:40	1

Client Sample ID: OF 9 (573)

Lab Sample ID: 480-171165-5

Date Collected: 06/11/20 11:08

Matrix: Water

Date Received: 06/13/20 08:00

## Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.038		0.010		mg/L		06/16/20 11:17	06/17/20 17:08	1

## General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	42		4.0		mg/L			06/13/20 16:40	1

Eurofins TestAmerica, Buffalo

## Client Sample Results

Client: Solutia Inc.  
Project/Site: NPDES Wet Weather

Job ID: 480-171165-1

### Client Sample ID: OF 19S

Date Collected: 06/11/20 11:18

Date Received: 06/13/20 08:00

### Lab Sample ID: 480-171165-6

Matrix: Water

#### Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.044		0.010		mg/L		06/16/20 11:17	06/17/20 17:12	1

#### General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	11		4.0		mg/L			06/13/20 16:40	1

### Client Sample ID: RIVER

Date Collected: 06/11/20 11:45

Date Received: 06/13/20 08:00

### Lab Sample ID: 480-171165-7

Matrix: Water

#### Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	28		0.50		mg/L			06/22/20 21:02	1

# Lab Chronicle

Client: Solutia Inc.  
Project/Site: NPDES Wet Weather

Job ID: 480-171165-1

**Client Sample ID: OF 17**

**Date Collected: 06/11/20 11:15**

**Date Received: 06/13/20 08:00**

**Lab Sample ID: 480-171165-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			536263	06/16/20 11:17	NSW	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	536814	06/17/20 16:53	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	536149	06/13/20 16:40	CSS	TAL BUF

**Client Sample ID: OF 20S**

**Date Collected: 06/11/20 11:25**

**Date Received: 06/13/20 08:00**

**Lab Sample ID: 480-171165-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			536263	06/16/20 11:17	NSW	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	536814	06/17/20 16:57	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	536149	06/13/20 16:40	CSS	TAL BUF

**Client Sample ID: OF 21S**

**Date Collected: 06/11/20 11:30**

**Date Received: 06/13/20 08:00**

**Lab Sample ID: 480-171165-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			536263	06/16/20 11:17	NSW	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	536814	06/17/20 17:01	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	536149	06/13/20 16:40	CSS	TAL BUF

**Client Sample ID: OF 9 (561)**

**Date Collected: 06/11/20 11:04**

**Date Received: 06/13/20 08:00**

**Lab Sample ID: 480-171165-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			536263	06/16/20 11:17	NSW	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	536814	06/17/20 17:04	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	536149	06/13/20 16:40	CSS	TAL BUF

**Client Sample ID: OF 9 (573)**

**Date Collected: 06/11/20 11:08**

**Date Received: 06/13/20 08:00**

**Lab Sample ID: 480-171165-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			536263	06/16/20 11:17	NSW	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	536814	06/17/20 17:08	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	536149	06/13/20 16:40	CSS	TAL BUF

## Lab Chronicle

Client: Solutia Inc.  
Project/Site: NPDES Wet Weather

Job ID: 480-171165-1

### Client Sample ID: OF 19S

Date Collected: 06/11/20 11:18

Date Received: 06/13/20 08:00

### Lab Sample ID: 480-171165-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			536263	06/16/20 11:17	NSW	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	536814	06/17/20 17:12	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	536149	06/13/20 16:40	CSS	TAL BUF

### Client Sample ID: RIVER

Date Collected: 06/11/20 11:45

Date Received: 06/13/20 08:00

### Lab Sample ID: 480-171165-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2340B		1	537430	06/22/20 21:02	JJP	TAL BUF

#### Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



## Accreditation/Certification Summary

Client: Solutia Inc.  
Project/Site: NPDES Wet Weather

Job ID: 480-171165-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Massachusetts	State	M-NY044	06-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2340B		Water	Hardness as calcium carbonate

## Method Summary

Client: Solutia Inc.  
Project/Site: NPDES Wet Weather

Job ID: 480-171165-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
SM 2340B	Total Hardness (as CaCO <sub>3</sub> ) by calculation	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
200.7	Preparation, Total Recoverable Metals	EPA	TAL BUF

### Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

### Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

## Sample Summary

Client: Solutia Inc.  
Project/Site: NPDES Wet Weather

Job ID: 480-171165-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-171165-1	OF 17	Water	06/11/20 11:15	06/13/20 08:00	
480-171165-2	OF 20S	Water	06/11/20 11:25	06/13/20 08:00	
480-171165-3	OF 21S	Water	06/11/20 11:30	06/13/20 08:00	
480-171165-4	OF 9 (561)	Water	06/11/20 11:04	06/13/20 08:00	
480-171165-5	OF 9 (573)	Water	06/11/20 11:08	06/13/20 08:00	
480-171165-6	OF 19S	Water	06/11/20 11:18	06/13/20 08:00	
480-171165-7	RIVER	Water	06/11/20 11:45	06/13/20 08:00	

## Login Sample Receipt Checklist

Client: Solutia Inc.

Job Number: 480-171165-1

**Login Number: 171165**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Yeager, Brian A**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TAL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

## Chain of Custody Record



<b>Client Information</b> Client Contact: Andrew Orciani Company: Solutia Inc. Address: 730 Worcester Street PO BOX 51975 City: Springfield State, Zip: MA, 01151 Phone: 413-730-3291 (Tel) Email: andreworciani@eastman.com Project Name: NPDES Wet Weather Site: Solutia		Lab PM: Hartmann, Steve E-Mail: steve.hartmann@testamericainc.com Due Date Requested: TAT Requested (days): PO #: 46036717 WO #: Project #: 48007093 SSOW#:		Carrier Tracking No(s): 360-Westfield Page: Page 1 of 1 Job #:	
Sample: Andrew Orciani Phone: (413) 730-3291		Analysis Requested			
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Method of Shipment:			
Relinquished by: Andrew Orciani Relinquished by: [Signature] Relinquished by:		Received by: [Signature] Received by: [Signature] Received by:			
Date/Time: 6/11/20 2pm Date/Time: 6/12/20 1700 Date/Time:		Date/Time: 6/12/20 0900 Date/Time: 6/13/20 0800 Date/Time:			
Company: Solutia Company: Solutia Company:		Company: Solutia Company: Solutia Company:			
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: # 12.4			